BANGALORE WATER SUPPLY AND SEWERAGE BOARD

Office of the CE (Project)

Cauvery Bhavan III Floor, Bangalore 560009

No. BWSSB/CE(P)/ACE (P)-1,2/ACE(Cst-DCW)/ 479 /2025-26 Dt: 5/6 .05.2025

Addendum No. 2

Name of the Work: Design, Engineering, Construction and Commissioning of Wastewater Treatment Plants With Tertiary Treatment Facility, Solar Panels along with Operation & Maintenance thereof for Ten Years [Works - A] and Procurement and construction of rising main, main sewers and laterals including machine holes and lift sewage pumping stations [Works – B] Hybrid mode for Mahadevapura zone in 110 village areas (Phase II) under Karnataka Water Security And Disaster Resilience Program (KWSDRP)- (Contract Package No. BWSSB CE-P/KWSDRP/WBS-V)

Ref: 1.Tender Notification NO.BWSSB/CE(P)/ACE(P)-1,2/ACE(Cst-DCW)/110/2025-26 Dtd:24.04.2025

2. INDENT No. BWSSB/2025-26/WT/WORK_INDENT2251

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In continuation to the above Tender Notification cited under reference, an Addendum-II with respect to subject tender work is issued as enclosed.

Other conditions remain unaltered.

Chief Engineer (P)
Bangalore Water Supply and Sewerage Board,
Bangalore

Contract Package: WBS-5

Addendum No. 2

Amendment in Volumes be referred as under

Sr. No.	Tender Ref.	Existing Contents of Tender Document	Amended
1.	Volume-2 / Section-7, Cl. No. 12.3, Part 12-3	**12.3 Power Supply Arrangement** WwTP: The outgoings of the 11kV indoor panel for plant distribution shall feed • 2 Nos. of 11/0.433kV Distribution Transformers for WwTP plant loads. • 2 Nos. of 11/0.433kV Distribution Transformers for Process Air Blowers loads.	**Shall be read as** **12.3 Power Supply Arrangement** WwTP / TSPS: The outgoings of the 11kV indoor panel for plant distribution shall feed • 2 Nos. of 11/0.433kV Distribution Transformers for WwTP / TSPS plant loads and Process Air Blowers loads. All other requirements shall remain same as per Tender Document.
2.	Volume-2 / Section-7, Cl. No. 12.5.10, Part 12-12	**12.5.10 Standby Diesel Generator Sets** Diesel Generator Sets shall be provided with Acoustic Enclosure and AMF panel with Air Circuit Breaker (ACB) at WwTP/TSPS and sized for power back up of all the WwTP/TSPS loads which requires continuous operation of the corresponding WwTP/TSPS plant during main power failure. 10% contingency over these loads shall be considered while sizing the DG Set.	**Shall be read as** **12.5.10 Standby Diesel Generator Sets** Diesel Generator Sets shall be provided with Acoustic Enclosure and AMF panel at WwTP/TSPS and sized for power back up of minimum 50% of the WwTP/TSPS loads including Air Blower Loads of the corresponding WwTP/TSPS plant during main power failure. 10% contingency over these loads shall be considered while sizing the DG Set. All other requirements shall remain same as per Tender Document.
3.	Volume-2 / Section-7, Cl. No. 12.5.11, Part 12-13 & Cl. No. 6.5, Part	**12.5.11 415V PCC / MCC** **6.5 415V Metal Enclosed Switchgears (PCC / MCC)**	Add the following paragraph below the Cl. No. 12.5.11 & Cl. No. 6.5 "All 415V Metal Enclosed Switchgears (PCC/MCC) shall be conventional type. IMCC/Intelligent MCC is not required"

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<table>
<tr><th>Sr. No.</th><th>Tender Ref.</th><th>Existing Contents of Tender Document</th><th>Amended</th></tr>
<tr><td></td><td>6-29</td><td></td><td>All other requirements shall remain same as per Tender Document.</td></tr>
<tr><td>4.</td><td>Volume-2 / Section-7, Cl. No. 15.20.1, Part 5-38, Part 5-42, Part 5-46, Part 5-51.</td><td>15.20.1 TSPS & WwTPs Design/Sizing Criteria
<table><tr><th>Item/ Parameter/ Description</th><th>Units</th><th>WwTP at Channasandra</th></tr><tr><td>N-1 condition</td><td>-</td><td>The Bidder shall provide calculations for operating the WwTP at Design Flows with 1 tank/unit/module offline for maintenance.</td></tr></table>
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15.20.1 TSPS & WwTPs Design/Sizing Criteria
<table><tr><th>Item/ Parameter/ Description</th><th>Units</th><th>WwTP at Channasandra</th></tr><tr><td>N-1 condition</td><td>-</td><td>Deleted</td></tr></table>
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<tr><th>Item/ Parameter/ Description</th><th>Units</th><th>WwTP at Channasandra</th></tr>
<tr><td>N-1 condition</td><td>-</td><td>The Bidder shall provide calculations for operating the WwTP at Design Flow with 1 SBR tank offline for maintenance.</td></tr>
</table>
</td><td></td></tr>
<tr><td>5.</td><td>Volume-2 / Section-7, Cl. No. 15.20.1, Part 5-54</td><td>
15.20.1 TSPS & WwTPs Design/Sizing Criteria
<table>
<tr><th>Item/ Parameter/ Description</th><th>Units</th><th>WwTP at Channasandra</th></tr>
<tr><td>Total number of standby blowers</td><td>Nos</td><td>2</td></tr>
<tr><td>Type of Blower</td><td></td><td>Centrifugal Turbo Blower with VFD Control</td></tr>
</table>
</td><td>
Shall be read as

15.20.1 TSPS & WwTPs Design/Sizing Criteria
<table>
<tr><th>Item/ Parameter/ Description</th><th>Units</th><th>WwTP at Channasandra</th></tr>
<tr><td>Total number of standby blowers</td><td>Nos</td><td>1</td></tr>
<tr><td>Type of Blower</td><td></td><td>Rotary Tri-Lobe PD with VFD Control / Single stage centrifugal blower with VFD Control / Centrifugal Turbo Blower with VFD Control</td></tr>
</table>
All other requirements shall remain same as per Tender Document.
</td></tr>
<tr><td>6.</td><td>Volume 2 Part-8, Cl. No. 8.26, Part 8-139</td><td>
8.26 Disc Filter
<table>
<tr><th>Control Panel</th><th></th><th></th></tr>
<tr><td>Type</td><td>:</td><td>Self-standing / Wall Mounting type, PLC based controls with HMI Screen of 10 inches. PLC shall be provided with Hardwired communication protocol interfacing with Plant SCADA system.</td></tr>
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8.26 Disc Filter
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Sr. No.	Tender Ref.	Existing Contents of Tender Document	Amended
		MOC of control panel : Stainless Steel SS-304 / SS-316 Protection Class : IP-55 & suitable for outdoor mounting.	interfacing with Plant SCADA system MOC of control panel Cabinet only : Stainless Steel SS-304 / SS-316. Protection Class : IP-55 & suitable for outdoor mounting All other requirements shall remain same as per Tender Document.
7.	**Volume 2 Part-13, Cl. No. 13.2, Part 13-6**	The PLC / RIO Panels shall be double door conformal coating with sand blasting and having a minimum panel size of 900mm & Height not to exceed 2000mm, Gland plate-2mm, copper earth bus 25x6 mm, and panel painting is RAL 7035 (with interior Brilliant White Glassy Finish) with Ingress Protection of IP-54. The panel's front view shall be a lockable double door with transparent glass windows, allowing visibility to the panel-mounted HMI and controllers, etc. The Material of Construction for Panels shall be SS-316.	**Shall be Read as** The PLC / RIO Panels shall be double door conformal coating with sand blasting and having a minimum panel size of 900mm & Height not to exceed 2000mm, Gland plate-2mm, copper earth bus 25x6 mm, and panel painting is RAL 7035 (with interior Brilliant White Glassy Finish) with Ingress Protection of IP-54. The panel's front view shall be a lockable double door with transparent glass windows, allowing visibility to the panel-mounted HMI and controllers, etc. The Material of Construction for all Panels shall be followed as per Clause No.7.10 (B) II & III, Part-7 in Volume-2 / Section 7 of the tender document. The Material of Construction of Disc Filter control panel (cabinet only) shall be SS304/ SS-316.

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